

KV-LITE AFFF 3% & 6%



AQUEOUS FILM FORMING FOAM CONCENTRATE

KV-LITE AFFF is Aqueous Film Forming Foam concentrate, produces thin, yet strong film on the surface of hydrocarbon fuels thereby sealing the fuel surface and preventing fuel vapour release. Due to presence of Fluorocarbon surfactant the spreading characteristic of the foam is such that a positive, fast spreading coverage action takes over the fuel surface, resulting fast extinguishment. **The synthetic base imparts good shelf life of the concentrate free from settling ingredients and bad odour.**

APPROVALS:

- UL listed by Underwriters Laboratory as per UL 162 standard.
- Bureau of Indian Standards, Govt. of India specs IS 4989 : 2006
- Directorate General of Mines Safety (DGMS), Govt. of India.
- Director General of Shipping - International Maritime Organization specs (DGS-MMD)
- Director General of Quality Assurance, Ministry of Defence, Govt. of India
- Manufacturing & Quality System to ISO 9001:2008 & ISO 14001:2004
- Our In House R &D facility is approved by Govt. of India, (DSIR).

CONFIRMS :

- UK Defence Standard Specification 42-40/Issue 1
- European standard EN 1568-2 & 3:2000
- International Standard Organisation – ISO: 7203 Part 1
- By any Third Party Inspecting Agency like Lloyds, DNV, BV etc

APPLICATION:

- KV-LITE AFFF is available in 3% & 6% concentrate.
- It can be used with fresh water as well as seawater.
- It is suitable for application with standard low expansion foam generating equipment, both aspirating and non-aspirating type.
- It can be used in fixed sprinkler system for protection against risks of flammable liquids.
- The high foaming characteristics, fast spreading combined with film forming ability makes it an ideal choice as for rapid extinguishment and fast coverage.
- **KV-LITE AFFF is also available in freeze-protected range.**

COMPATIBILITY:

KV-LITE AFFF is compatible with dry chemical powders and other equivalent foams.

KV-LITE AFFF has compatibility approval (certificate) with following UL Listed equipment :

- UL-Listed Sprinklers
- UL-Listed Bladder Tank
- UL-Listed Nozzle
- UL-Listed Proportioners- Inductor
- UL-Listed Foam Monitor

SHELF-LIFE:

KV-LITE AFFF has a minimum shelf life of 15 years, considering tropical conditions and if properly stored in its original container or tanks suitable for storage. Refer Technical Bulletin for storage guidelines.

STORAGE:

Storage temp. should be below 49 °C. The product can withstand intermittent, short time exposure up to 60 °C temp. Ensure containers are not directly exposed to sunlight & heat for a long period. It is unaffected by freeze/thaw cycles.

ECOLOGY:

KV-LITE AFFF is environmentally safe. It is bio-degradable and low toxic to the aquatic organisms.

KV LITE AFFF is free from environmental hazards. The product clears the following tests from NABL/ FDA Approved Laboratory.

- Toxicity Certificate
- Skin Irritation Test
- Microbiological Analysis
- Biodegradability (BOD/COD)
- Aquatic Toxicity

PHYSICAL & CHEMICAL PARAMETERS:

PROPERTY	3%	6%
APPEARANCE	Amber coloured liquid	Amber coloured liquid
pH @ 20 °C	6.5 - 8.5	6.5 - 8.5
Sp. Gravity @ 20 °C	1.00 to 1.03	1.00 to 1.03
Freezing Point	0 °C	0 °C
Viscosity @ 20 °C	Less than 5 cSt	Less than 5 cSt
Sediment	Maximum 0.25%	Maximum 0.25%
*Expansion Ratio	≥ 7 : 1	≥ 7 : 1
*Drainage (25 %)	≥ 2 min	≥ 2 min

* Expansion & Drainage values depend on the equipments & the application conditions.

PACKING:

UL recognised HDPE container of 20 L/30 L/200 L. IBC 1000 Litres or pack size of choice.

DISPOSAL:

KV-LITE AFFF can be successful treated in biological waste water treatment systems. Local regulations should be complied with for discharge into common drainage/sewage systems.

EMERGENCY SERVICE : **HELP LINE** **+ 91 9225124508**

- The above data is given in good faith and for general guidelines only.
- We can match the product to your specifications and/or any applicable standards.
- The right is reserved to vary or modify any specification without prior notice

**K. V. FIRE CHEMICALS (I) PVT. LTD.**

KAMALA NIVAS, PLOT- 32, LANE - D, SECTOR - 8, VASHI,
NAVI MUMBAI- 400703, INDIA

TEL : +91 22 2782 0827

E-MAIL : info@kvfire.com

FAX : +91 22 2782 4712

WEB SITE : www.kvfire.com